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#### CLAIMS

1. A human IgM monoclonal antibody reactive to activated human lymphocytes and HIV-infected cells for lysing cells under mediation by homologous human complements.
2. An immunosuppressant and HIV remedy for treating transplantation rejection responses and autoimmune diseases caused by excessive reaction of T-lymphocytes, whereby abnormally activated lymphocytes are eliminated by cytolysis using a human IgM monoclonal antibody reactive to activated human lymphocytes.
3. The human IgM monoclonal antibody according to Claim 1 or 2, wherein the human IgM monoclonal antibody reactive to the activated human lymphocytes and HIV-infected cells is 9F11 antibody comprising a base sequence of an H-chain variable region represented by sequence number 1.
4. The human IgM monoclonal antibody according to any one of Claims 1 to 3, wherein the human IgM monoclonal antibody reactive to the activated human lymphocytes and HIV-infected cells is 9F11 antibody comprising a base sequence of a L-chain variable region represented by sequence number 2.

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5. A cell strain with an accession No. of FERM PB-8379 that produces the human IgM monoclonal antibody reactive to the activated human lymphocytes and HIV-infected cells that lyses the cells under mediation by a homologous human complement.

6. The monoclonal antibody according to any one of Claims 1 to 4 produced by the cell strain with an accession No. FERM BP-8379.